

HUNTERS POINT SHIPYARD RADIOLOGICAL REMOVAL ACTION FACT SHEET

December 15, 2000



Background

Hunters Point Shipyard is a deactivated shipyard located in southeastern San Francisco. During World War II, the shipyard conducted shipbuilding and ship and submarine repair. In 1946, the U.S. Naval Radiological Defense Laboratory (NRDL) was formed to help identify methods to decontaminate ships and conduct radiological research.

Surveys

As part of the overall cleanup of the Hunters Point Shipyard, the Navy conducted four survey phases to determine possible locations of radiation. Based on the results of the surveys, the Navy determined that low-level radioactive contamination was present around four buildings (buildings 364, 509, 529, and 707).

In August 2000, the final Radiological Removal Action Memorandum (AM) was prepared. The AM presents recommendations about removal and disposal actions based on the results of the four survey phases.

Based on the surveys, the following types of contaminants were identified in the areas around the four buildings:

- Low-level cesium-137 and strontium were detected in the sump behind Building 364 where there used to be a low-level radioactive waste storage tank. This action will complete a previous removal action at the spill area.
- Small areas of low-level cesium-137 were detected behind Buildings 509 and 529.
- Low-level cesium-137 and radium-226 were detected on the Building 707 concrete storage pad.

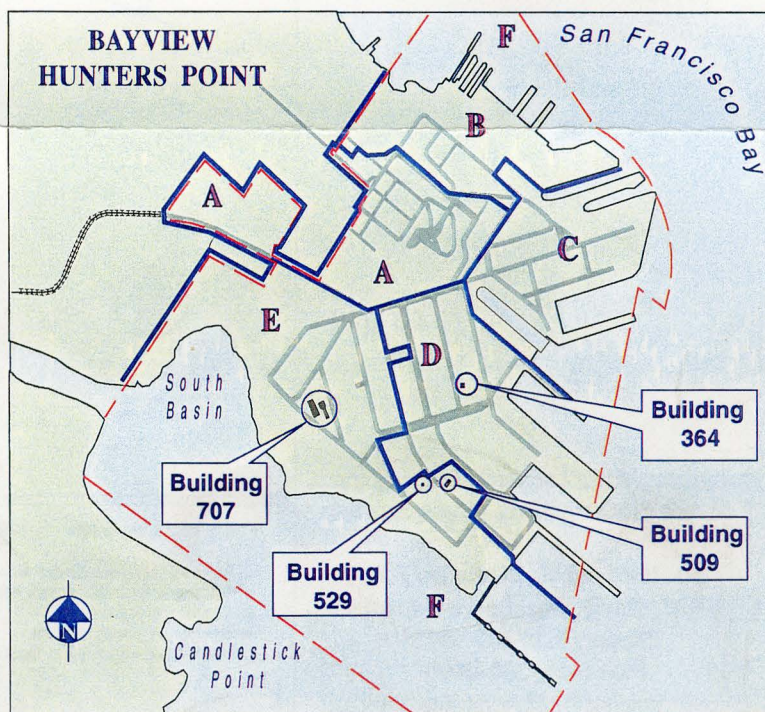
Cleanup Plan/Schedule

The objective of the removal action is to reduce radioactive contamination levels so that Buildings 364, 707, 529, and 509 can be released for unrestricted use. The removal action that the Navy selected will remove radioactive contamination that exceeds the EPA decay-corrected Preliminary Remediation Goal (PRG) levels from the upper soil layer. This removal action consists of the following:

- **Buildings 364 and 707:**
 - Remove radioactively contaminated asphalt/concrete (a/c) and soil that exceeds the cleanup goal.
- **Buildings 509 and 529:**
 - Remove and dispose of sources of radioactive contamination that exceed cleanup goal.
- **Buildings 364, 707, 509, and 529:**
 - Backfill and resurface the remediated areas.
 - Dispose of excavated a/c and soil at a licensed Treatment Storage or Disposal Facility (TSDF).

The removal action is scheduled to begin in early January 2001. It will take 3-4 weeks to complete. The removal action will require approximately 12 truckloads to be taken off-site, following the truck route shown on the map on the back page.

**Location of areas identified as having
low-level radioactive contamination.**

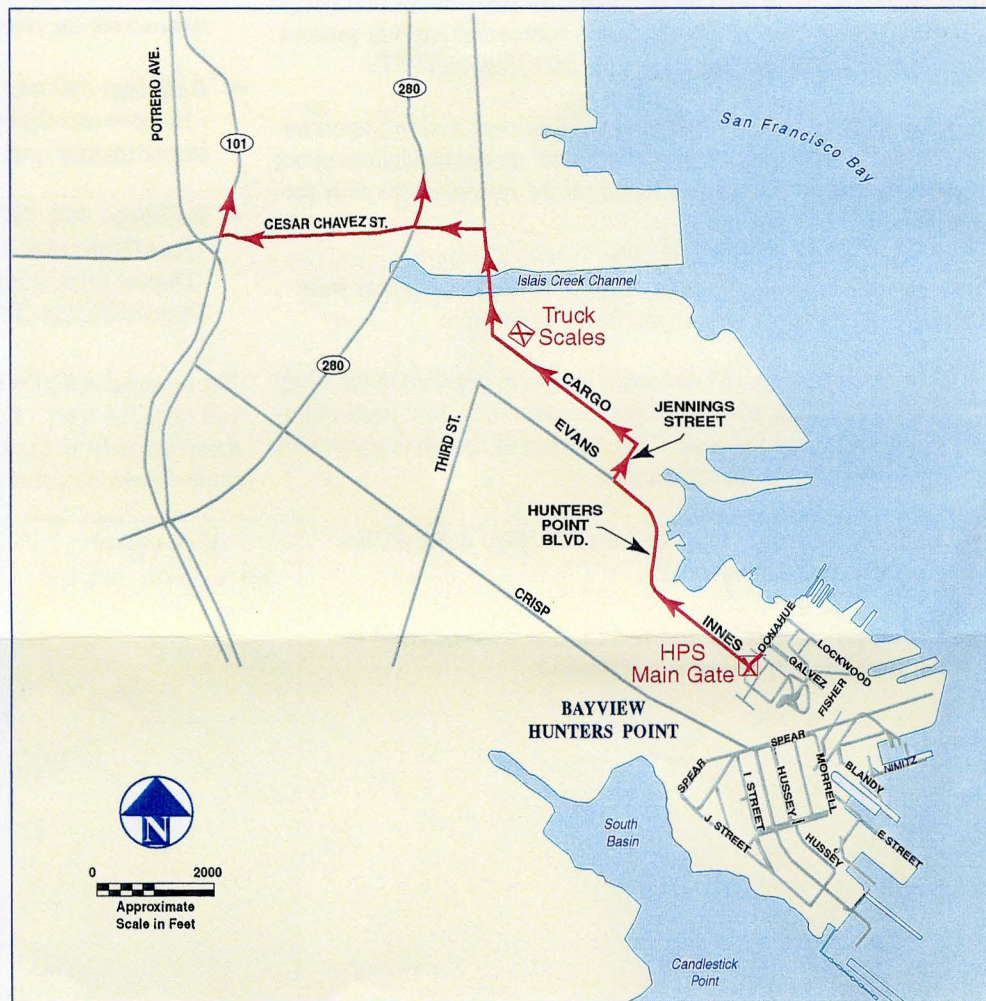


Safety Measures

To ensure the safety of on-site personnel, the surrounding community, and the environment, the following precautions will be taken during the removal action:

- ✓ Posting of alert signs, "Caution, Radioactive Materials Area, Authorized Personnel Only."
- ✓ Putting up barriers to define active work areas and using plastic sheeting to contain contamination.
- ✓ Personnel, equipment, and items from the radioactive materials areas will be surveyed for the potential presence of contamination and will be decontaminated if necessary.
- ✓ Dust control measures will be implemented during excavation to prevent the spread of dust.
- ✓ Air sampling will be conducted both upwind and downwind with portable air samplers.
- ✓ All hazardous waste containers stored on site will be inspected for integrity, surveyed, weighed, properly labeled for transportation, and locked to ensure access by authorized personnel only.
- ✓ A planned transportation route will be followed to ensure the safe shipping of hazardous waste from Hunters Point to the TSDF.
- ✓ No visitors will be allowed in the contaminated areas without permission, proper hazardous waste operations training, and personal protective equipment (PPE).

Transportation route for the safe shipping of hazardous waste from Hunters Point Shipyard to a Treatment Storage or Disposal Facility (TDSF).



For more information, please contact:

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ROUTE TO U.S. 101 or 280: →

1. Turn right onto Innes Avenue after leaving Main Gate.
2. Turn slightly right onto Hunters Point Boulevard.
3. Turn left onto Evans.
4. Turn right on Jennings Street.
5. Turn left on Cargo Street to Truck Scale.

6. Continue to Third Street.
7. Turn right onto Third Street.
8. Turn left onto Cesar Chavez Street.
9. Merge onto 101 or 280.

NOTE:

All trucks leaving Hunters Point Shipyard are to follow this route.